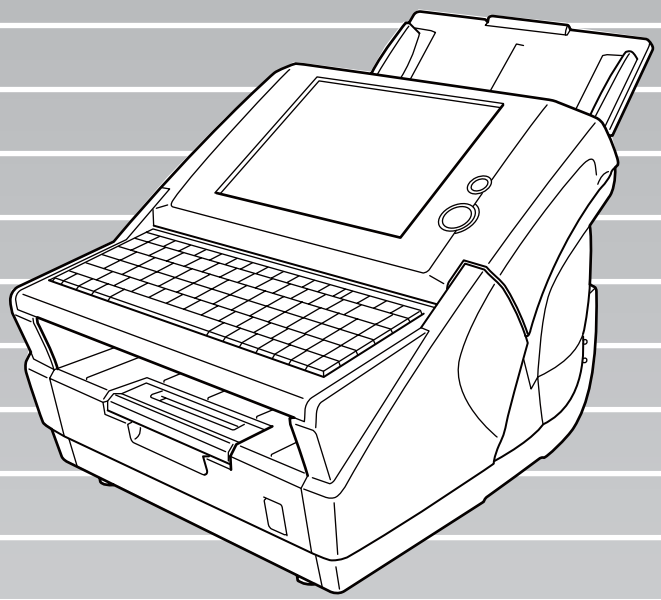
P3PC-1862-01EN

Network Scanner
fi-6000NS
Getting Started



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Introduction

Thank you for purchasing the Network Scanner fi-6000NS.
This easy-to-operate network scanner may be used to scan documents for further use.
This guide provides useful and detailed information on setting up, connecting, and caring for your scanner.
The "Network Scanner fi-6000NS Operator's Guide" contains further information about scanner settings, scanner administration, and scanner operations, and may be used as a general reference.
Please also read the Operator's Guide for your reference.

■ Regulatory Information

FCC Declaration

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is located.
- Consult your dealer or an experienced radio/TV technician.

FCC warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The use of a shielded interface cable is required to comply with the Class B limits of Part 15 of FCC rules.
The length of the AC cable must be 2 meters (6.6 feet) or less.

Canadian DOC Regulations

This digital apparatus does not exceed the Class B limit for radio noise emissions from digital apparatus set out in the Radio interference Regulations of the Canadian Department of Communications.
This Class B digital apparatus complies with Canadian ICES-003.

Le présent appareil numérique n'émet pas de parasites radioélectriques dépassant les limites applicables aux appareils numériques de la classe B et prescrites dans le Règlement sur le brouillage radioélectrique dictées par le Ministère des Communications du Canada.
Cet appareil numérique de la classe B est conforme _ la norme NMB-003 du Canada.

Bescheimigung des Herstellers / Importeurs

Für den fi-6000NS wird folgendes bescheinigt:

- In ÅEereinsstimmung mit den Bestimmungen der EN45014(CE) funkentstört
- Maschinenlärminformationsverordnung 3. GPSGV: Der höchste Schalldruckpegel beträgt 70 dB (A) oder weniger, gemäß EN ISO 7779.

■ Note of Liability

BEFORE USING THIS PRODUCT, PLEASE READ THIS MANUAL CAREFULLY. IF THIS PRODUCT IS NOT USED CORRECTLY, UNEXPECTED INJURY CAN OCCUR TO USERS OR BYSTANDERS.

Keep this manual in a safe place so that it can be easily referred to during use of this product.

While all efforts have been made to ensure the accuracy of all information in this manual, PFU assumes no liability to any party for any damage caused by errors or omissions or by statements of any kind in this manual, its updates or supplements, whether such errors are omissions or statements resulting from negligence, accidents, or any other cause. PFU further assumes no liability arising from the application or use of any product or system described herein; nor any liability for incidental or consequential damages arising from the use of this manual. PFU disclaims all warranties regarding the information contained herein, whether expressed, implied, or statutory.

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This product has been designed and manufactured on the assumption that it will be used in office, personal, domestic, regular industrial, and general-purpose applications. It has not been designed and manufactured for use in applications (simply called "high-safety applications" from here on) that directly involve danger to life and health when a high degree of safety is required, for example, in the control of nuclear reactions at nuclear power facilities, automatic flight control of aircraft, air traffic control, operation control in mass-transport systems, medical equipment for sustaining life, and missile firing control in weapons systems, and when provisionally the safety in question is not ensured. The user should use this product with adopting measures for ensuring safety in such high-safety applications. PFU LIMITED assumes no liability whatsoever for damages arising from use of this product by the user in high-safety applications, and for any claims or compensation for damages by the user or a third party.

About the Use of Mercury

Hg

Lamp(s) inside this product contain mercury and must be recycled or disposed of according to local, state, or federal laws.

To avoid unexpected injuries:

- Do not lick or consume the substance contained in the lamp.
- Do not breathe the chemical liquid contained in the scanner lamps.
- Do not incinerate, crush, or shred the lamps or scanner parts.

LCD Peculiarities

- The LCD backlight is a fluorescent tube that contains some mercury.
- Be aware that neither of the following is considered a fault.
    - Despite the advanced technologies used to produce the devices TFT color LCD's, the large number of pixels involved means that an occasional (always-on) bright dot or (always-off) dark dot may be visible.
    - The characteristics of the LCD mean that there may be some variation in hue and intensity of colors across the screen.

Replacing Batteries

This product has a battery (CMOS RAM battery) on board to retain data such as

- Warning
    - Do not replace the battery yourself, as there is a risk of explosion if the wrong type is used. Please contact your maintenance engineer in charge when the battery runs low.
    - Do not touch the battery. Never install or remove the battery by yourself. Doing so may cause electric shock or static electricity which can damage the device.

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References to operating systems (OS) and applications are indicated as follows:

Windows	Windows® operating system

All the descriptions in this manual assume the usage of Adobe Acrobat bundled with this product. However, Adobe Acrobat may be upgraded without notice. If the descriptions differ from the screens actually displayed, refer to the Acrobat's "Help".

Manufacturer

PFU LIMITED
International Sales Dept., Imaging Business Division, Products Group
Solid Square East Tower, 580 Horikawa-cho, Saiwai-ku, Kawasaki-shi Kanagawa 212-8563, Japan
Phone : (81-44) 540-4538

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About Maintenance

The user must not perform repairs on this scanner. Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for repairs to this product.

Warning Indications Used in This Manual

WARNING	This indication alerts operators to an operation that, if not strictly observed, may result in severe injury or death.
CAUTION	This indication alerts operators to an operation that, if not strictly observed, may result in safety hazards to personnel or damage to equipment.

Symbols Used in This Manual

This symbol alerts operators to particularly important information. Be sure to read this information.

This symbol alerts operators to helpful advice regarding operation.

A TRIANGLE symbol indicates that special care and attention is required.
The drawing inside the triangle shows the specific caution.

A CIRCLE with a diagonal line inside shows action which users may not perform.
The drawing inside or under the circle shows the specific action that is not allowed.

Outline characters on a colored background show instructions users should follow.
It may also include the drawing that shows the specific instruction.

Warning Label

The glass scanner windows inside the ADF can become hot when the scanner is used.
Be careful not to touch the surface of the glass scanner windows.

Do NOT remove from the scanner, stain or scratch the warning labels.

Screen Examples in This Manual

The screen examples in this manual are subject to change without notice in the interest of product improvement. If the actual displayed screen differs from the screen examples in this manual, operate by following the actual displayed screen while referring to the User's Manual of the scanner application you are using.

■ Safety Precautions

WARNING

Do not damage the AC cable.

A damaged AC cable may cause fire or electric shock. Do not place heavy objects on AC cables, or pull, bend, twist, heat, damage or modify AC cables.
Do not use damaged AC cables or power plugs, or install any cables or power plugs to loose wall sockets.

Use only specified AC cables and connector cables.

Use only specified AC cables and connector cables. Failure to use the correct cables might cause electric shock and/or equipment failure.
Please do not use the AC cable provided with this scanner for other devices, since this might cause equipment failure and other troubles or an electric shock.

Use this scanner only at the indicated power voltage. Do not connect to multiple-power strips.

Use this scanner only at the indicated power voltage and current. Improper power voltage and current might cause fire or electric shock. Do not connect to multiple-power strips.

Do not touch the AC cable with wet hands.

Do not touch the power plug with wet hands. Doing so might cause electric shock.

Wipe any dust from the power plug.

Wipe off any dust from metal parts on the power plug or metal fittings with a soft, dry cloth. Accumulated dust might cause fire or electric shock.

Do not install the device in locations that has oil smoke, steam, humidity, and dust.

Do not install the scanner in locations subject to oil smoke, steam, humidity, and dust. Doing so might cause a fire or electric shock.

Turn the scanner OFF if it is damaged.

If the scanner is damaged for any reason, turn the scanner off and unplug the power cable. Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

Do not put liquids inside the scanner.

Do not insert or drop metal objects in to the scanner. Do not scan wet documents or documents with paper clips or staples. Do not splash or allow the scanner to get wet.

If foreign objects (water, small metal objects, liquids, etc.) get inside the scanner, immediately turn off the scanner and disconnect the power plug from the power outlet. Then, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider. Pay particular attention to this warning in households where there are small children.

Do not touch the inside of the scanner unless necessary.

Do not take apart or modify the scanner. The inside of the scanner contains high-voltage components. Touching these components might cause electric shock or fire.

Do not use the scanner if you smell a strange odor.

If you detect heat coming from the device or detect other problems such as smoke, strange smells or noises, immediately turn off the scanner and then disconnect its power plug. Make sure that any smoke coming from it has stopped, before contacting your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

⚠ CAUTION

Do not install the scanner on unstable surfaces.

Make sure that the scanner is installed on a flat, level surface and that none of its parts extend beyond the surface top, such as a desk or table. Do not install the scanner on unstable surfaces. Install the scanner on a level surface that is free of vibration to prevent it from falling.
Install the scanner on a strong surface that will support the weight of the scanner and other devices.

Do not block the ventilation ports.

Do not block the ventilation ports. Blocking the ventilation ports generates heat inside of scanner, which may result in fire or scanner failure.

Do not place heavy objects or climb on top of the scanner.

Do not place heavy objects on the scanner or use the scanner's surface top to perform other work. Improper installation might cause injuries and equipment failure.

Firmly insert the power plug.

Firmly insert the power plug as far it can go into the power outlet.

Avoid any contact when scanner is in use.

Avoid touching any scanner mechanism during scanning since this may cause injuries.

Do not use the scanner immediately after moving it from a cold place into a warm room.

Do not use the device immediately after moving it from a cold place into a warm room. Condensation may occur, which might lead to scanning errors. Let the device dry about one or two hours before you use it.

Before moving the scanner, disconnect the power plug from the power outlet.

Do not move the scanner with the power and interface cables connected as this can damage the cables, which can later cause fire, electric shock as well as injury.
Before moving the scanner, be sure to disconnect the power plug from the power outlet, and all other data cables.
Make sure that the floor is free of any obstructions.

Protect the scanner from static electricity.

Install the scanner away from strong magnetic fields and other sources of electronic noise. Also, protect the scanner against any static electricity, which can cause the scanner to malfunction.

Do not use aerosol sprays near the scanner.

Do not use aerosol sprays to clean the scanner. Aerosol sprays can blow dirt and dust inside the scanner, resulting in scanner failure or malfunction.

Disconnect the power plug from the power outlet when the scanner is not used for a long period of time.

When the scanner is not going to be used for a long period of time, be sure to disconnect the power plug from the power outlet for safety.

Do not install the scanner in the direct sunlight.

Do not install the scanner under direct sunlight or near heating apparatus. Doing so might cause excessive heat to build up inside the scanner, which can cause scanner trouble or even fire. Install the scanner in a well-ventilated location.

Before moving the scanner, make sure the shipping lock is locked.

When moving the scanner, be sure to lock the shipping lock in order to prevent damages to the scanner.

Chapter 1 Scanner Features

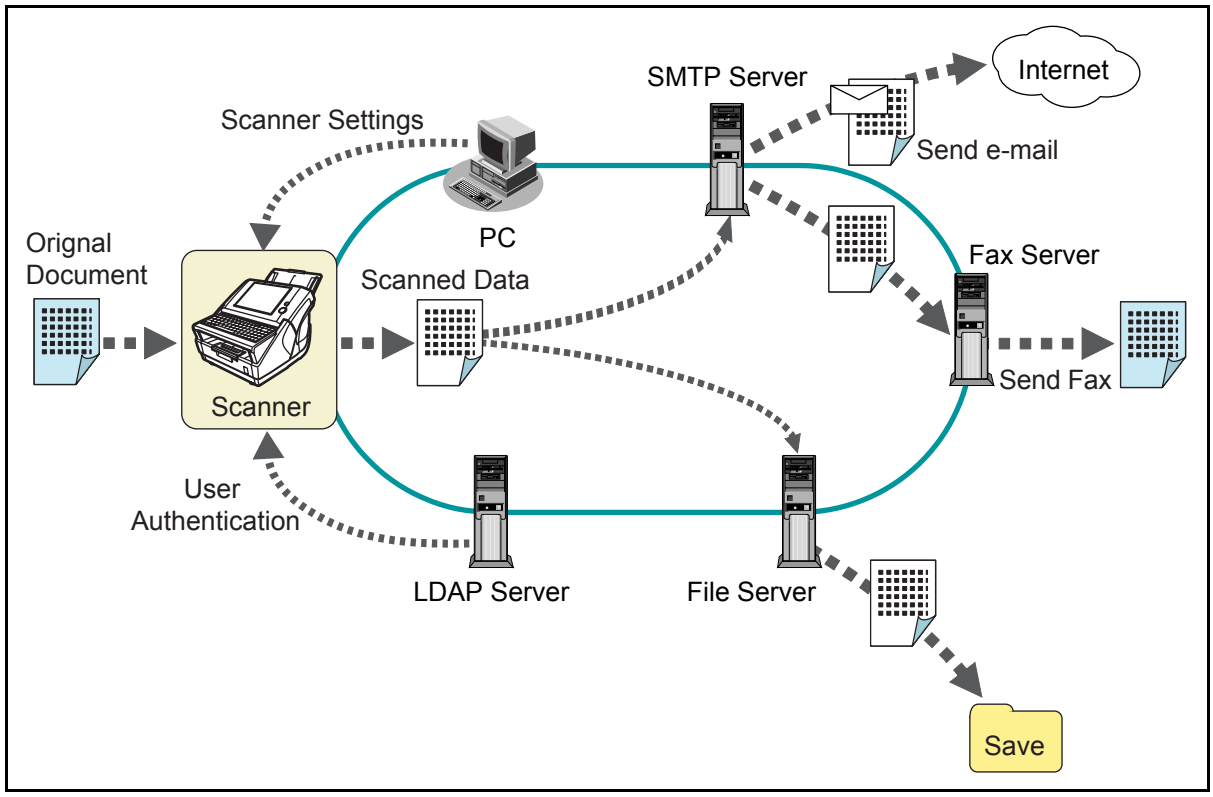
1.1 Scanner Features

This easy-to-operate network scanner may be used to scan documents for further use:

- Scanned document files can be sent as an e-mail attachment.
- Scanned document files can be sent by fax.
- Scanned document files can be saved in a network folder.

The scanner has the following security features.

- Login authentication can restrict user access.
- Scans can be converted to password protected PDF files.



The scanner functions available after login vary in the following ways for different types of user:

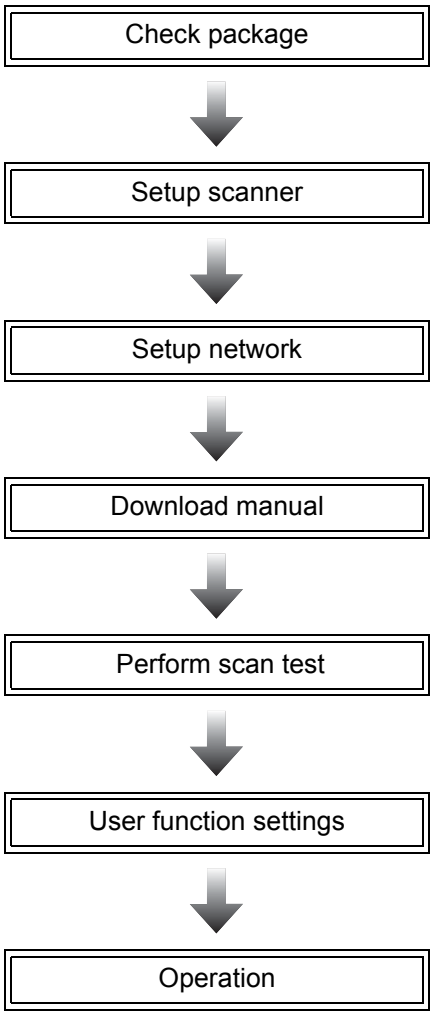
- Administrator

  Can setup and manage the scanner. The administrator can operate via the scanner's touch panel or via a computer web browser.
  - For login via the scanner's touch panel, scanner setup and management operations are possible.
  - For login via the web interface, scanner setup, management, and update operations are possible.
- Regular User

  Can scan documents and then send or save the resulting data.

For more details, refer to the "Network Scanner fi-6000NS Operator's Guide".

1.2 From Arrival through Operation



Refer to "1.3 Checking the Contents of the Scanner Package" (page 2).

Refer to "Chapter 2 Setting up the Scanner" (page 4).

Refer to "Chapter 3 Setting up for Network Use" (page 5).

Refer to "Chapter 4 Downloading the Manual" (page 10). This manual is the "Network Scanner fi-6000NS Operator's Guide".

Refer to "Chapter 5 Performing a Scan Test" (page 11).

Refer to "Network Scanner fi-6000NS Operator's Guide".

Refer to "Network Scanner fi-6000NS Operator's Guide".

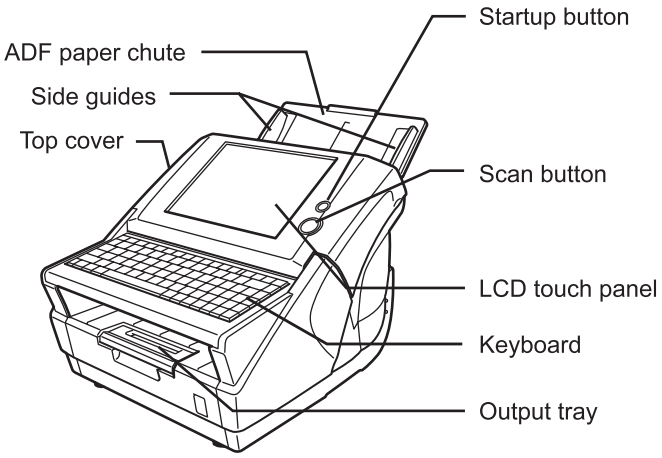
1.3 Checking the Contents of the Scanner Package

When you open the scanner package, please handle the main unit and its attachments carefully.
Make sure the scanner package contains all the parts listed in the package contents list that is included in the package box.
If any parts are missing or defective, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

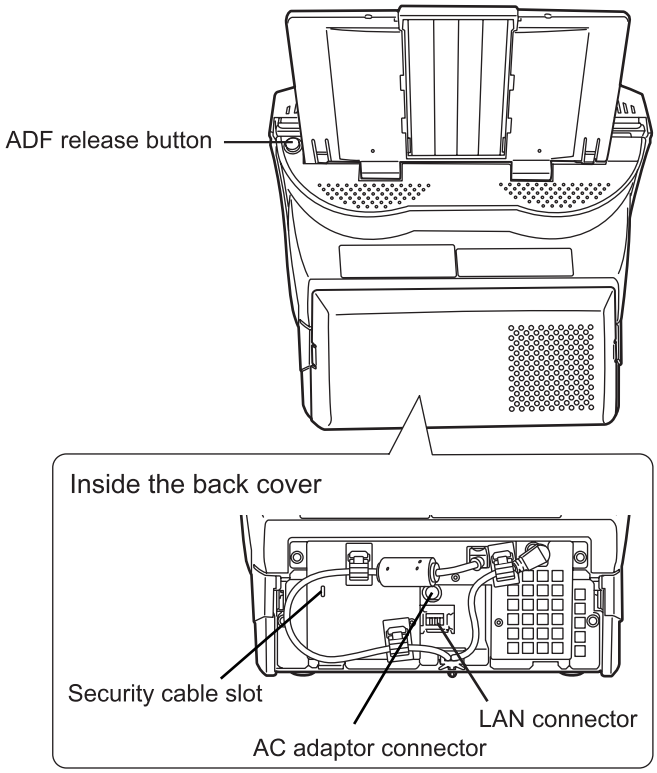
1.4 Names and Functions of Parts

This section describes the scanner parts and their functions.

■ Front

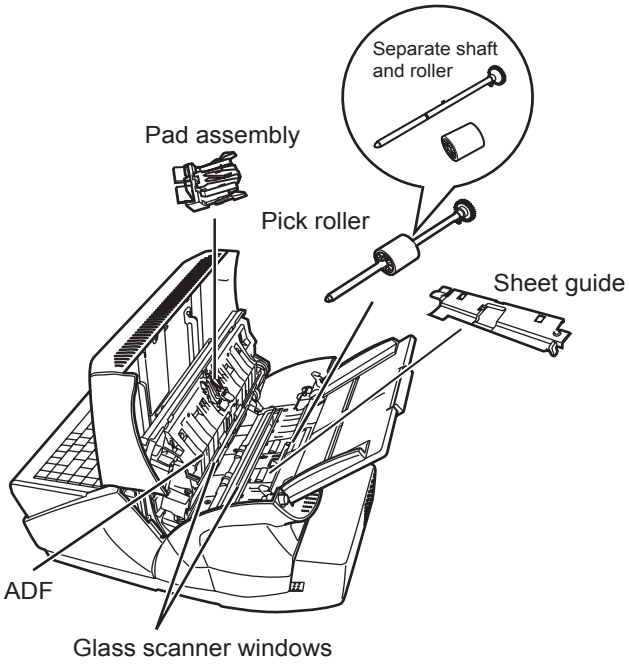


■ Rear



■ Removable Parts

Parts that can be removed from the scanner are displayed below.



Chapter 2 Setting up the Scanner

2.1 Space Requirements

The following space is required to set up the scanner:

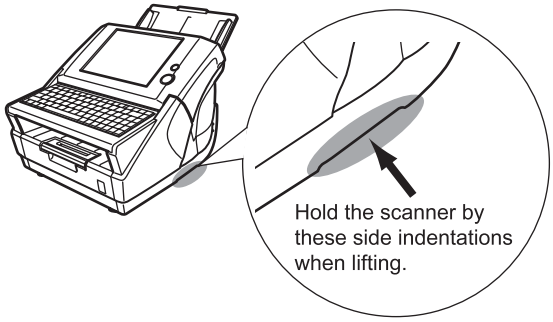
Depth: 700mm
Width: 400mm
Height: 500mm

2.2 Installing the Scanner

WARNING

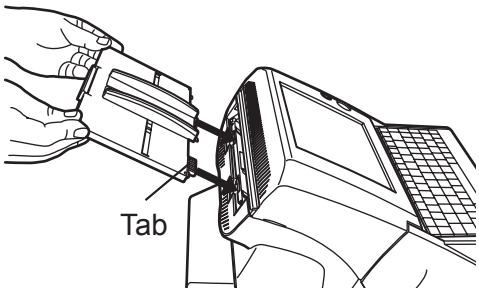
When lifting the scanner, always hold it by the indentations on the bottom of each side to ensure a stable grip.

Holding the scanner in any other way may cause it to be dropped or damaged.



1. Place the scanner at its installation site.
2. Attach the ADF paper chute.

   Hold the ADF paper chute and insert its tabs into the corresponding slots in the scanner as shown in the following figure.
   The side guides of the ADF paper chute should face up.

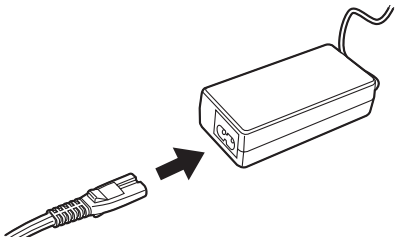


2.3 Connecting the Cables

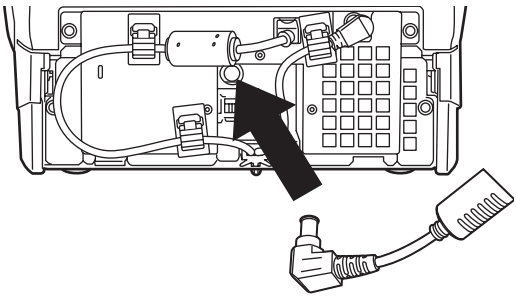
1. Connect the AC cable to the AC adapter.

ATTENTION

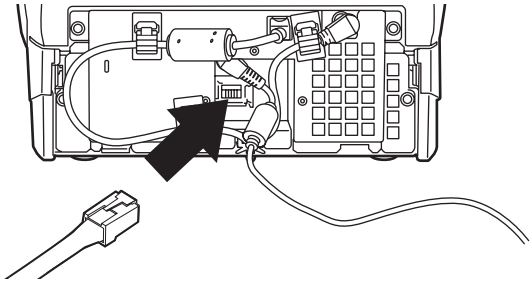
Use only the AC adapter provided by the manufacturer.



2. Connect the AC adapter connector to the scanner's DC inlet.

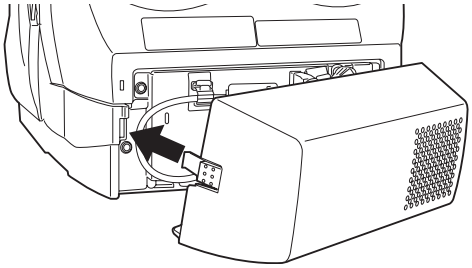


3. Connect the LAN cable to the LAN connector.



4. Attach the back cover.

   Attach the cover with the connected AC cable or LAN cable protruding out of the lower part of the cover.



5. Connect the other end of the LAN cable to the network hub.
6. Insert the AC cable into a power outlet.

   ⇒ The power is connected but the scanner is not yet ready for operation.

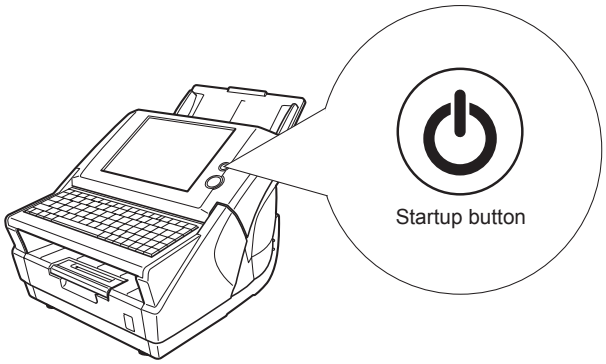
Continue setting up the network.

3.1 Logging in

To set up the network connection, you must login as the administrator. The user name and initial password for the administrator are as follows:

- User Name: admin
- Password: password

1. Press the startup button.



⇒ After system startup, the "Login" screen appears..

ATTENTION

After turning the power off, wait for at least ten seconds before turning the power back on again.

HINT

If touch panel responses seem out of alignment with the positions of objects on the LCD screen, calibrate the screen.
For details, refer to "Appendix A Calibrating the Touch Panel" (page 13).

2. Enter the user name.

User name is case sensitive. Enter "admin" here.

3. Enter the password.

Password is case sensitive.
Enter "password" here.

4. Press the [Login] button.

⇒ If the administrator name and password are valid, the "System Settings" screen appears.

3.2 Changing the Administrator Password

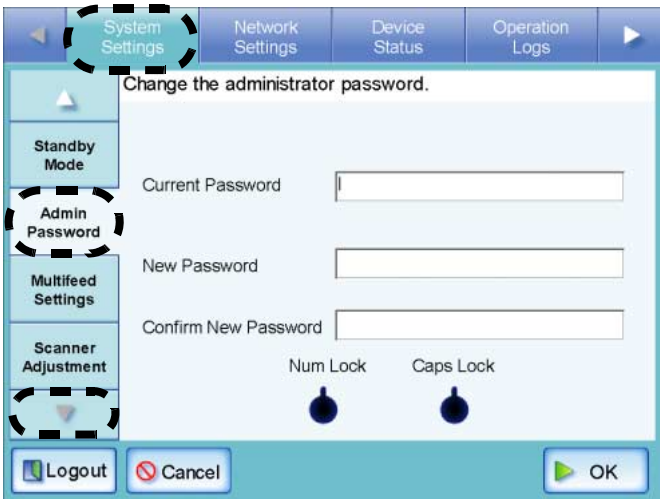
The administrator password can be changed.

1. Select the [System Settings] tab on the top menu.

2. Press the [Down] button on the left side menu.

⇒ Scroll the left side menu down until the [Admin Password] tab appears.

3. Select the [Admin Password] tab on the left side menu.



⇒ The "Admin Password" screen appears.

4. Enter the "Current Password", "New Password", and "Confirm New Password".

Passwords must be between 7 and 127 characters long.
Alphanumeric characters (case sensitive) and symbols may be entered.

5. Press the [OK] button.

⇒ The new admin password is set.

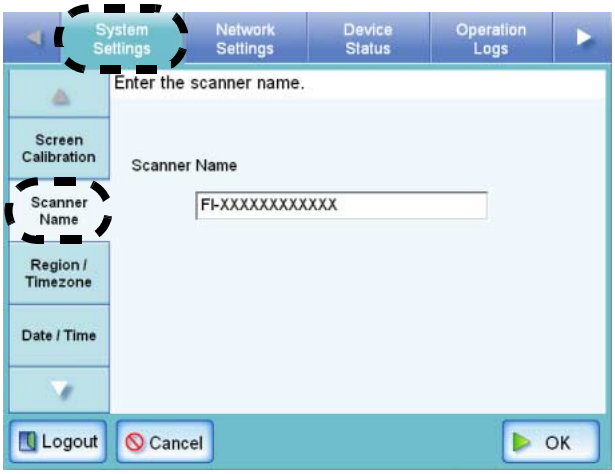
3.3 Setting the Scanner Name

A scanner name may be set to provide a network alias for the device.

ATTENTION

Do not use a name that is already being used in the network.
Name duplication will cause a network connection error.

1. Select the [System Settings] tab on the top menu.
2. Select the [Scanner Name] tab on the left side menu.



⇒ The "Scanner Name" screen appears.

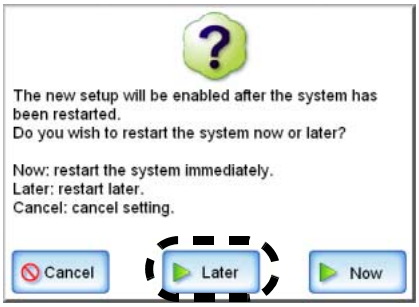
3. Enter a scanner name.

   Scanner names may be up to 15 characters long.
   Use only alphanumeric characters (case sensitive) and hyphens.
   Scanner names cannot consist of numbers only.

4. Press the [OK] button.

   ⇒ The restart confirmation screen appears.

5. Press the [Later] button.



⇒ The current scanner name, or changed scanner name after next restart, is displayed.

HINT

If the scanner name is the same as one already in use, network communication problems will occur. In this case, try the following steps:

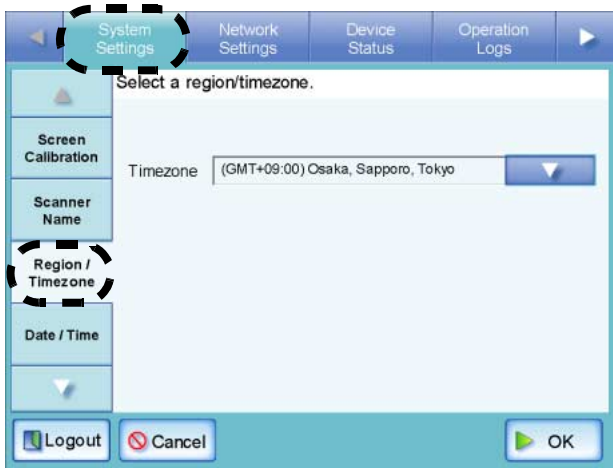
1. Disconnect the LAN cable and turn the scanner off.
2. Reboot the scanner with the LAN cable still disconnected, and enter a non-duplicate scanner name.
3. Reboot the scanner again.
4. Re-connect the LAN cable to the scanner.

Restart may be performed after all necessary settings have been completed.
Continue with the Region/Timezone settings.

3.4 Setting the Region/Timezone

1. Select the [System Settings] tab on the top menu.

2. Select the [Region/Timezone] tab on the left side menu.



⇒ The "Region/Timezone" screen appears.

3. Press the [List] button for the "Timezone" input field.

   The default timezone is "(GMT+09:00) Osaka, Sapporo, Tokyo".

   ⇒ A list of timezones appears.

4. Select a timezone.

5. Select whether "Daylight Savings Time" should be on or off.

   This option is not shown for timezones where daylight savings time is not used.

6. Press the [OK] button.

   ⇒ The Region/Timezone is set.

Continue with IP address/DHCP settings.

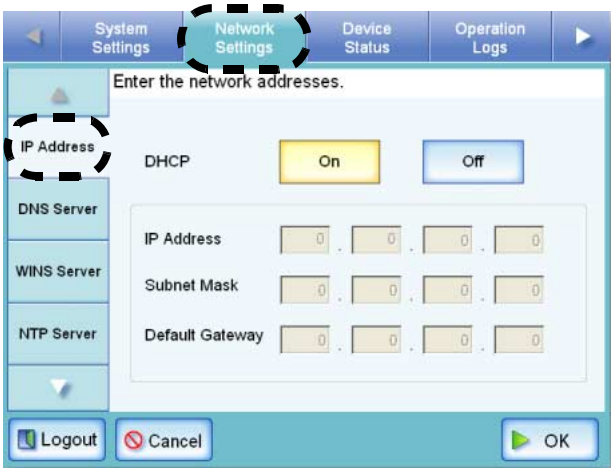
3.5 Setting the IP Address/DHCP

An IP address must be set in order to connect the scanner to a network.

ATTENTION

Do not use an IP address that already exists in the network.
IP address duplication will cause an error during setup.

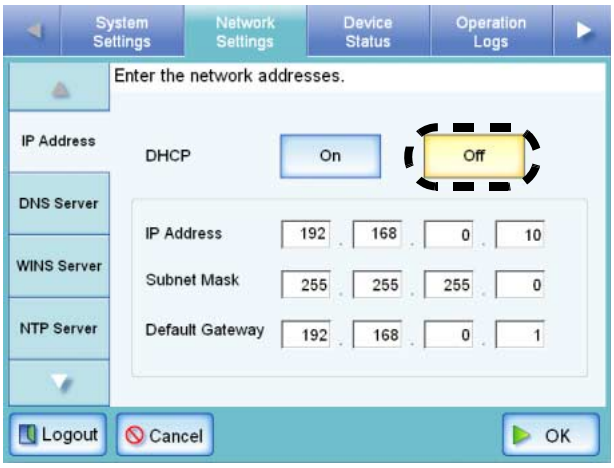
1. Select the [Network Settings] tab on the top menu.
2. Select the [IP Address] tab on the left side menu.



   ⇒ The IP address/DHCP screen appears.

3. Set the scanner's IP address. This may be done automatically, by pressing the DHCP [On] button.
   The IP address may also be set manually, by pressing the DHCP [Off] button and entering the following numerical addresses:

   - IP Address
   - Subnet Mask
   - Default gateway



4. Press the [OK] button.

   ⇒ The information entered is set.

HINT

If the IP address is the same as one already in use, network communication problems will occur. In this case, try the following steps:

1. Disconnect the LAN cable and turn the scanner off.
2. Reboot the scanner with the LAN cable still disconnected, and enter a non-duplicate IP address.
3. Re-connect the LAN cable to the scanner.

When DHCP is set to "On", the following settings are assigned by the DHCP:

- IP Address
- Subnet Mask
- Default Gateway
- DNS Server
- WINS Server

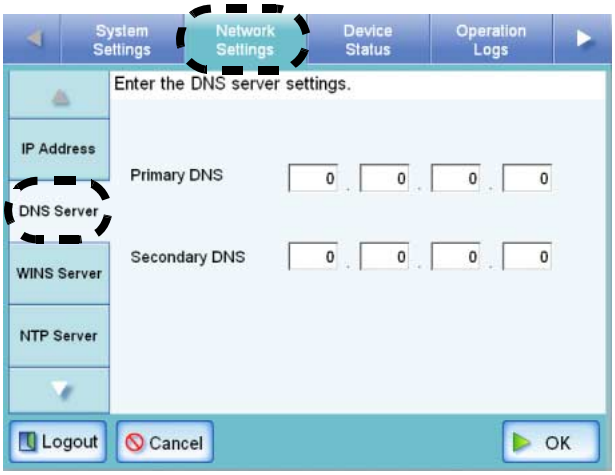
Even if DNS or WINS server is set, priority is given to the scanner settings over the DHCP settings.

Continue with the DNS settings.

3.6 Setting the DNS Server

A primary DNS and secondary DNS can be set.

1. Select the [Network Settings] tab on the top menu.
2. Select the [DNS Server] tab on the left side menu.



⇒ The "DNS Server" screen appears.

3. Enter the following numerical addresses:
   - Primary DNS
   - Secondary DNS

   If a DNS server setting is not required, enter "0.0.0.0".

ATTENTION

A Secondary DNS cannot be set without a Primary DNS.

4. Press the [OK] button.

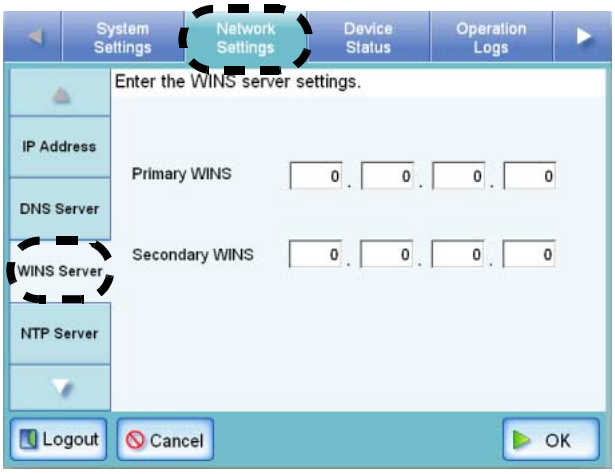
⇒ The information entered is set.

Continue with the WINS settings.

3.7 Setting the WINS Server

A primary WINS and secondary WINS can be set.

1. Select the [Network Settings] tab on the top menu.
2. Select the [WINS Server] tab on the left side menu.



⇒ The "WINS Server" screen appears.

3. Enter the following numerical addresses:
   - Primary WINS
   - Secondary WINS

   If a WINS server setting is not required, enter "0.0.0.0".

ATTENTION

A Secondary WINS cannot be set without a Primary WINS.

4. Press the [OK] button.

⇒ The information entered is set.

3.8 Checking the Network Connection

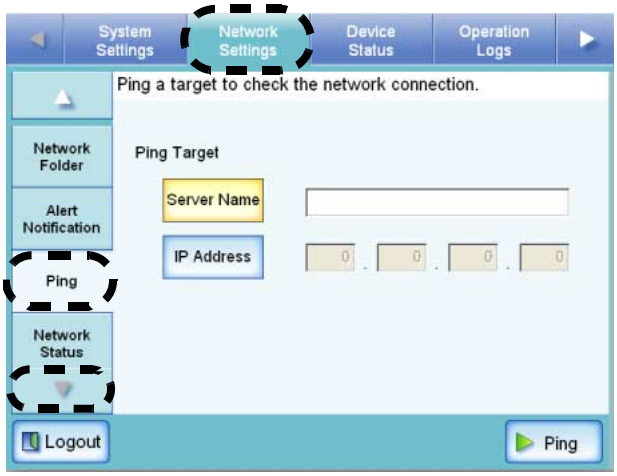
The network connection may be checked by performing a ping test.

1. Select the [Network Settings] tab on the top menu.

2. Press the [Down] button on the left side menu.

   ⇒ Scroll the left side menu down until the [Ping] tab appears.

3. Select the [Ping] tab on the left side menu.



   ⇒ The "Ping" screen appears.

4. Select whether to set a server name or IP address.

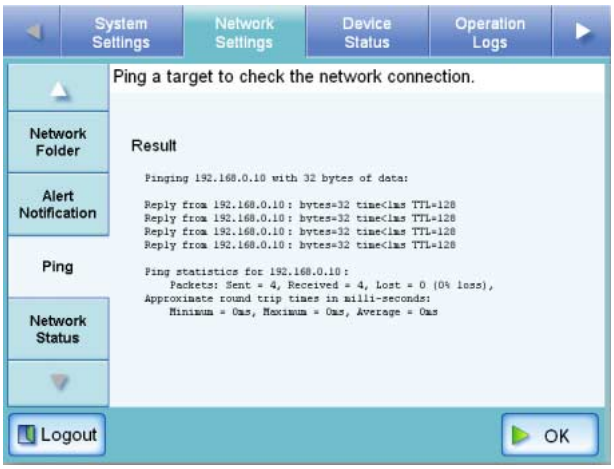
   The [Server Name] and [IP Address] buttons cannot both be selected.

5. Enter the target server name or IP addresses (selected in Step 4).

   - If the [Server Name] button is selected:
     Enter a Fully Qualified Domain Name (FQDN) or server name in the input field. This may be up to 255 characters long.
   - If the [IP Address] button is selected:
     Enter a numerical IP address.

6. Press the [Ping] button.

   ⇒ A ping test is performed and the results are displayed. If the result shows "Lost=0 (0% loss)", the network connection is functioning normally. For any other result, refer to "Checking Basic Network Operation with a Ping Test" (page 16).



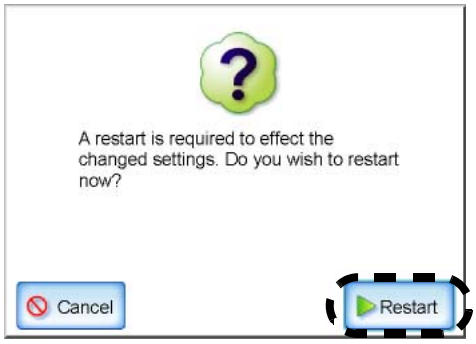
After performing all settings, restart the system.

3.9 Restarting the System

1. Press the [Logout] button.

   ⇒ The restart confirmation screen appears.

2. Press the [Restart] button.



   ⇒ The scanner restarts, and the "Login" screen appears.

Next, download the "Network Scanner fi-6000NS Operator's Guide".

Chapter 4 Downloading the Manual

In addition to this "Getting Started" guide, a "Network Scanner fi-6000NS Operator's Guide" is also available. The "Network Scanner fi-6000NS Operator's Guide" contains information about scanner settings, scanner administration, and scanner operations.
Consult this manual when using the scanner.
Login as the administrator via the web interface to download the "Network Scanner fi-6000NS Operator's Guide".
The download procedure is as follows:

To download the manual from the scanner, the following requirements apply:

Software	English versions: • Microsoft® Internet Explorer 6 SP2 or later • Adobe® Reader® (*) • Any Windows® operating system which supports the above software
Hardware	• Any client PC which runs the supported software • XGA monitor or better • LAN cable

* Adobe® Reader® can be downloaded from the following site.
http://www.adobe.com/

1. Specify the scanner name as a URL in the web browser's location bar.

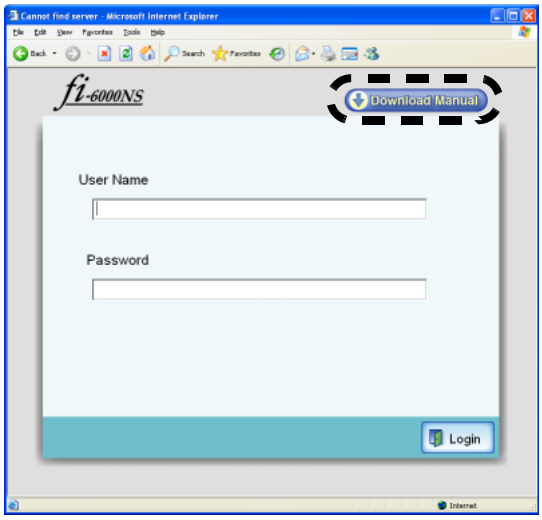
   For example, when the scanner name is "SCAN001":

   use "http://SCAN001/"

   For URL's, an IP address can be set instead of a scanner name. If the IP address is xxx.xxx.xxx.xxx, the specified URL is http://xxx.xxx.xxx.xxx/.

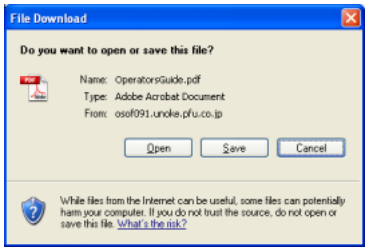
   ⇒ The "Login" screen appears on the web browser.

2. Press the [Download Manual] button.



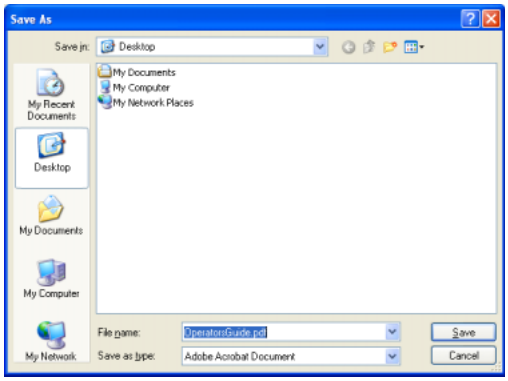
   ⇒ The "File Download" screen appears.

3. Press the [Save] button.



   ⇒ The "Save As" window appears.

4. Select a folder and enter a file name.



5. Press the [Save] button.

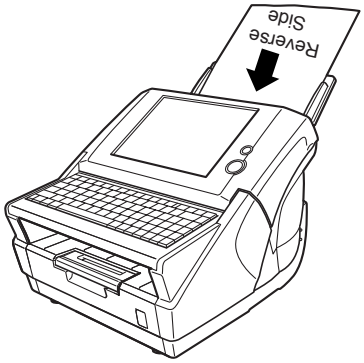
   ⇒ The file is saved.

The "Network Scanner fi-6000NS Operator's Guide" is a PDF file, and can be viewed with Adobe® Reader®.
Next, perform a scan test.

Chapter 5 Performing a Scan Test

Perform a scan test to determine if the scanner is working properly. Login as a regular user to perform the scan test.

1. Load the documents to be test scanned.



⇒ The "Login" screen appears.

2. On the "Login" screen, enter a "User Name" and "Password".

Enter "guest" for both fields here.

3. Press the [Login] button.

⇒ If the user name and password are valid, the "Main Menu" screen appears.

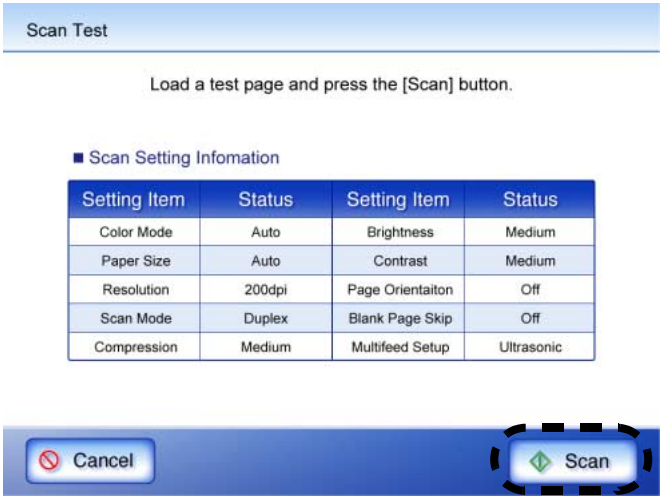
4. Select the [Maintenance] button on the "Main Menu" screen.

⇒ The "Maintenance" screen appears.

5. Press the [Scan Test] button.

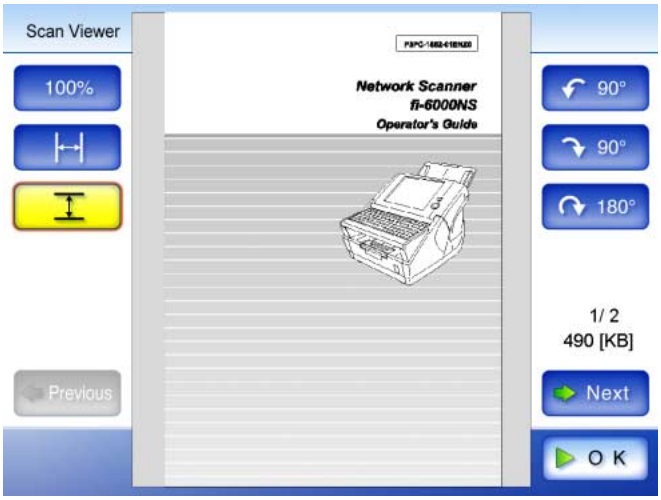
⇒ The scan settings information for the scan test is displayed.

6. Press the [Scan] button.



⇒ Scanning starts. When the scan has completed, the "Scan Viewer" opens.

7. Check the scanned data.



8. Press the [OK] button.

   ⇒ The "Maintenance" screen is shown again.

■ If Scanning Completes Successfully

Continue with the setting procedures described in Chapter 1 of the "Network Scanner fi-6000NS Operator's Guide".

HINT

System settings or user data can be backed up from [Maintenance], [User Data Store] or [System Settings File]. This can only be performed via Web interface. Backup should be performed regularly. For more details, refer to the "Network Scanner fi-6000NS Operator's Guide".

■ If Scanning does not Complete Successfully

If the top cover is open

- Message

  Top cover may be open. Close the top cover, reload the documents and try again.
- Action

  Click the [OK] button on the error dialog to return to the "Maintenance" screen. Close the top cover, and try the scan test again.

If no document is loaded

- Message

  Document not found. Load a document into the ADF, making sure the side guides are adjusted correctly and try again.
- Action

  Click the [OK] button on the error dialog to return to the "Maintenance" screen. Load a document, and try the scan test again.

If a multifeed is detected

- Message

  Feed Error: Document(s) may not match the set paper size, ADF may have grabbed more than one sheet, or documents may not be suitable for scanning. Remove the documents from the ADF, check them and try again. If problem persists, consult the manual.
- Action

  Click the [OK] button on the error dialog to return to the "Maintenance" screen. Remove the document for which multifeed was detected, and try the scan test again.

If a paper jam occurs

- Message

  Paper jam has occurred. Remove the documents from the ADF and try again.
- Action

  Click the [OK] button on the error dialog to return to the "Maintenance" screen. If the "Scan Viewer" screen appears with partially scanned data, just click the [OK] button. Remove any unscanned documents from the ADF. Open the scanner's top cover, remove the jammed document from the scanner, and close the scanner's top cover. From the "Maintenance" screen, try the test scan again.

If a USB cable becomes disconnected

- Message

  Scanner initialization has failed. Try turning the power off and back on again. The administrator should contact the FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for help.
- Action

  Click the [OK] button on the error dialog to return to the "Maintenance" screen. Check that all cables are firmly connected, and try the scan test again.

If an error occurs

- Message

  An error has occurred. Try turning the power off and back on again. The administrator should contact the FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for help.
- Action

  Click the [OK] button on the error dialog to return to the "Maintenance" screen. Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

Appendix A Calibrating the Touch Panel

This should be done if and when the touch panel responses seem out of alignment with the positions of objects on the LCD screen.

1. Login as the administrator.

   For details, refer to "3.1 Logging in" (page 5).

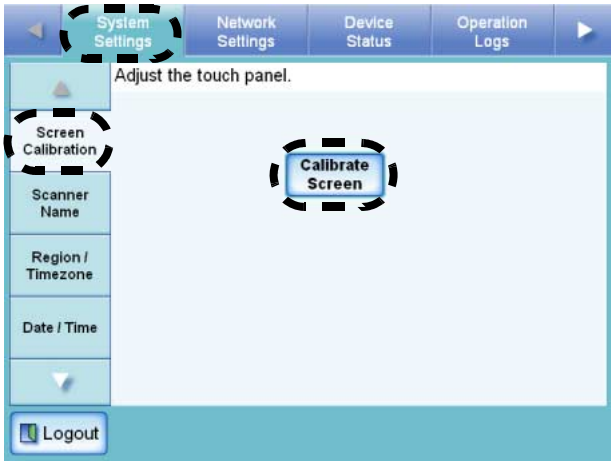
   ⇒ The "System Settings" screen appears.

2. Select the [System Settings] tab on the top menu.

3. Select the [Screen Calibration] tab on the left side menu.

   ⇒ The "Calibration Screen" appears.

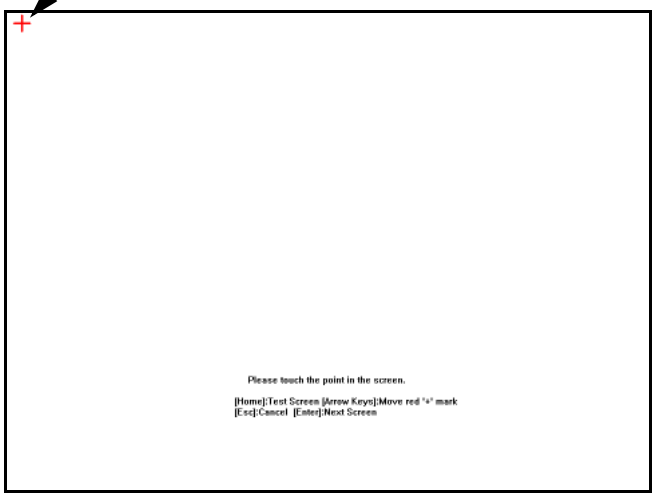
4. Press the [Calibrate Screen] button.



   ⇒ A blank calibration screen appears, with a red "+" (adjustment mark) in the top-left corner.

5. Touch the "+" with your fingertip.

   After being touched, the "+" will move to the next calibration position. Each time it stops, touch it again.

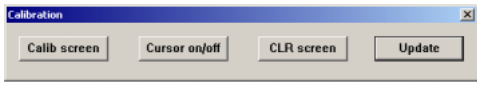


HINT

The keyboard may also be used on the calibration screen:

- Press the [Home] key to jump straight to the post-calibration test screen.
- Use the arrow keys to move the "+" to a different calibration point. This allows a bad touch to be redone.
- Press the [Esc] key to stop the calibration process and return to the "Screen Calibration" screen.
- Press the [Enter] key to close the error dialog. (Not normally needed.)

Repeat until the test screen appears, with the following "Calibration" dialog box:



6. Trace a line on the screen with your fingertip.

   ⇒ A corresponding line will appear on-screen. If the line does not appear correctly, press the [Calib screen] button to return to Step 5. If the screen becomes cluttered, press the [CLR screen] button to remove all the lines.

ATTENTION

Press the [Cursor on/off] button to toggle the mouse cursor between its "visible" and "hidden" states.

7. When you are satisfied with the touch screen response, press the [Update] button.

   ⇒ This saves the current calibration data, completing the calibration process, and returns you to the "Screen Calibration" screen.

ATTENTION

If the calibration is not performed carefully, or the [Enter] key is pressed before all the calibration points have been touched, the following error message may appear:

```
Parameter Error. Please input, again.
```

Press the [Enter] key to dismiss the error dialog, and perform the calibration again, being careful to touch each calibration point accurately.

Appendix B Scanner Care

WARNING

The glass scanner windows inside the ADF can become hot when the scanner is used.

Before cleaning inside the scanner or replacing any parts, turn off the power, unplug the AC adapter from the outlet, and wait for at least 15 minutes.

The power does not need to be turned off when cleaning the feed rollers.

■ Cleaning Materials

Cleaning Materials	Parts No.	Remarks
Cleaner F1 (or isopropyl alcohol)	PA03950-0352	1 bottle Moisten the cloth with this fluid and use to wipe parts clean.(*)
Soft, dry cloth	Any commercially available lint-free product	

* To obtain Cleaner F1, contact your FUJITSU dealer or an authorized FUJITSU scanner service provider.

■ Cleaning Method

Clean the ADF with a soft cloth moistened with cleaner F1.

■ Which Parts and When

Clean all parts after every 1,000 sheets scanned.

- Pad assembly
- Feed rollers
- Pick roller
- Idler rollers
- Glass scanner windows
- Ultrasonic sensor

The scanner must be cleaned more frequently when the following types of documents are used:

- Coated paper
- Documents with large areas of printing
- Chemically treated paper such as carbonless paper
- Paper containing large amounts of calcium carbonate filler
- Documents written in pencil
- Documents with insufficiently fused toner

For more details, refer to "5.2 Cleaning the ADF " in the "Network Scanner fi-6000NS Operator's Guide".

■ Cleaning the LCD Touch Panel

To prevent the touch panel screen from becoming dirty, it should be regularly cleaned with a soft, dry cloth. Take care when cleaning the touch panel. It can be easily damaged, and should never be scratched or banged with hard objects.

Always use a dry (not damp) cloth to clean the screen. Do not apply Cleaner F1.
If dust is allowed to collect and harden around the frame of the screen, it can cause the touch panel to malfunction.

■ Cleaning the Keyboard

To prevent the keyboard from becoming dirty, it should also be regularly cleaned with a soft, dry cloth.

Always use a dry (not damp) cloth to clean the keyboard. Do not apply Cleaner F1.

Appendix C Replacing Consumable Parts

WARNING

The glass scanner windows inside the ADF can become hot when the scanner is used.

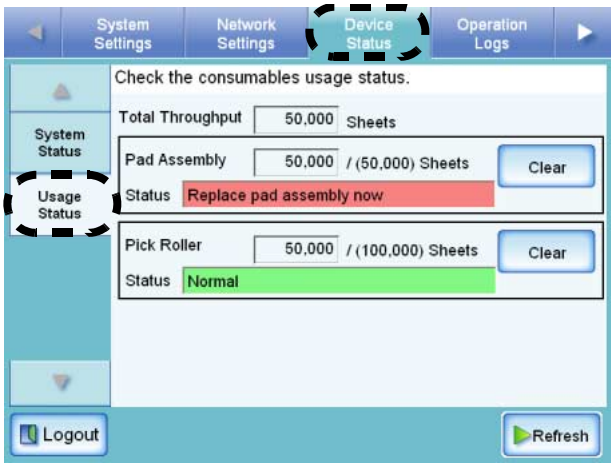
Before cleaning inside the scanner or replacing any parts, turn off the power, unplug the AC adapter from the outlet, and wait for at least 15 minutes.

ATTENTION

Use only the PFU LIMITED parts specified. Do not use consumable parts made by other manufacturers.

■ Replacement Part No. and Standard Replacement Cycles

The usage count of consumable parts can be checked in administrator mode on the "Usage Status" screen.



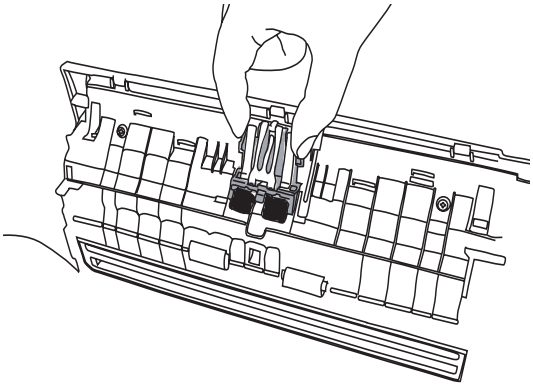
When parts need to be replaced soon, the "Status" information field becomes orange. When parts need to be replaced immediately, the "Status" information field becomes red.
The following table specifies the replacement part numbers and the standard replacement cycles.

Part name	Replacement cycle
Pad Assembly (PA03289-0111)	After every 50,000 sheets scanned or once a year
Pick Roller (PA03289-0001)	After every 100,000 sheets scanned or once a year

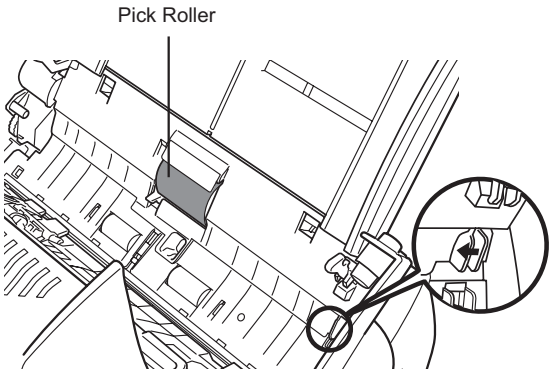
To obtain these parts, contact your FUJITSU dealer or an authorized FUJITSU scanner service provider.
These replacement cycles are rough guidelines when using 64 g/m^2 (17 lb) A4/Letter woodfree or wood containing paper. They may vary according to the type of documents scanned, scanner usage, and cleaning frequency.

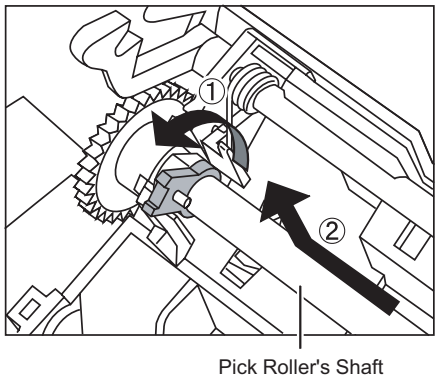
The following diagram shows the locations of the consumable parts in the scanner. For more details, refer to "5.5 Replacing Parts" in the "Network Scanner fi-6000NS Operator's Guide".

■ Pad Assembly (PAD ASSY)



■ Pick Roller





Appendix D Network Connection Troubleshooting

■ Checking Basic Network Operation with a Ping Test

If a network connection is not possible, refer to "3.8 Checking the Network Connection" (page 9) for ping results and how to deal with them.

Result	Connection status	Server name setting	Action
"Ping statistics" shows "Lost=0 (0% loss)"	OK	IP address / server name	None
"Ping statistics" shows "Lost=4 (100% loss)"	NG	IP address / server name	Check that the ping target IP address or server name is correct.
		IP Address	If the ping target IP address is correct, refer to "Failure to Connect to a Remote Computer using its IP Address" (page 17) for further solutions.
		Server name	On the "Network Status" screen, change [Link speed / Duplex mode] from "Auto-Negotiation" to a fixed mode. This can be changed as follows: 1. Select the [Network Settings] tab on the top menu. 2. Press the [Down] button on the left side menu. 3. Select the [Network Status] tab on the left side menu. 4. On the "Network Status" screen, select [Link Speed/Duplex Mode]. 5. Press the [OK] button.
"Ping statistics" shows "Lost=N (1 to 99% loss)"	NG	IP address / server name	There may be a problem with the quality of the LAN cable. Replace the LAN cable and try again.
		IP address / server name	On the "Network Status" screen, change [Link speed / Duplex mode] from "Auto-Negotiation" to a fixed mode. This can be changed as follows: 1. Select the [Network Settings] tab on the top menu. 2. Press the [Down] button on the left side menu. 3. Select the [Network Status] tab on the left side menu. 4. On the "Network Status" screen, select [Link Speed/Duplex Mode]. 5. Press the [OK] button.
"Hardware error"	NG	IP address / server name	The LAN cable may have become disconnected during the Ping test. Check the status of the LAN cable and try again.
"Ping request could not find host xxx.xxx.xxx. Please check the name and try again."	NG	Server name	Check that the ping target server name is correct.
			Check that the DNS server or WINS server settings are correct.
			If the ping target server name is correct, refer to "Failure to Connect to a Remote Computer using its Server Name" (page 18) for further solutions.

OK: Connection is operating normally. NG: Connection is faulty.

■ Failure to Connect to a Remote Computer using its IP Address

If a remote computer cannot be connected to using its IP address, and does not respond to a ping test, try the following steps:

No.	Problem	Action
1	Connection error between a remote computer and the scanner, or problem with the LAN cable.	Check that the LAN cable has been attached to both the scanner and remote computer correctly. If the remote computer is connected using a LAN cable (straight type), in case auto-mdi (automatic selection) is not supported, a LAN cable (crossover type), switch, or router is required between the scanner and remote computer. If this is not the case, the LAN cable may be faulty. Find a LAN cable that functions normally and try again.
2	IP address or subnet mask is invalid.	On the "IP Address" screen, check that the IP address or subnet mask settings are correct. For more details about the "IP Address" screen, refer to "3.5 Setting the IP Address/DHCP" (page 7).
3	When using DHCP, the DHCP server does not operate normally, or there is a problem with the DHCP server settings.	Check the DHCP server connection status and the details of the server settings. If using DHCP, on the "Network Status" screen, check that IP address, subnet mask, and default gateway settings are all correct. If these settings are not correct, the DHCP server may not operate normally, or the DHCP server may not assign valid IP addresses because of restricted number of leases or MAC address validation. If the DHCP server operating environment is changed, restart the scanner. The "Network Status" screen can be displayed as follows: 1. Select the [Network Settings] tab on the top menu. 2. Press the [Down] button on the left side menu. 3. Select the [Network Status] tab on the left side menu.
4	Another host or communication device is connected using the same IP address as the scanner.	If the same IP address has already been used by another host or communication device, then even if the other device has been given a different IP address the remote computer may not recognize the scanner's "duplicate" IP address until it is rebooted. Restart the remote computer. If a duplicate IP address connection from another host or communication device exists on a LAN, both it will be unusable. If a duplicate IP address connection from another host or communication device exists, pull out its LAN cable and restart the remote computer.
5	Access is denied due to the establishment of a firewall between the remote computer and the scanner.	If a firewall has been established between the remote computer and the scanner, check that it has not been set to deny access to the network.

No.	Problem	Action
6	The network link speed/duplex mode for the scanner and remote computer are invalid, or Auto-Negotiation is not supported by the remote computer.	For this scanner, the default [Link Speed/Duplex Mode] setting is "Auto-Negotiation". On the "Network Status" screen, match the scanner and remote computer's network link speed/duplex mode settings. If the problem persists in spite of having set both the scanner and remote computer's network link speed/duplex settings to "Auto-Negotiation", change "Auto-Negotiation" to a fixed mode and check again. On the "Network Status" screen, change [Link speed / Duplex mode] from "Auto-Negotiation" to a fixed mode. This can be changed as follows: 1. Select the [Network Settings] tab on the top menu. 2. Press the [Down] button on the left side menu. 3. Select the [Network Status] tab on the left side menu. 4. On the "Network Status" screen, select [Link Speed/Duplex Mode]. 5. Press the [OK] button.

■ Failure to Connect to a Remote Computer using its Server Name

If connection to a remote computer using a FQDN is not possible even after the server name has been checked using a ping test, try the following steps:

No.	Problem	Action
1	Same as in "Failure to Connect to a Remote Computer using its IP Address" (page 17).	Check if a network connection is possible by trying the same solution for "Failure to Connect to a Remote Computer using its IP Address" (page 17).
2	The scanner's DNS server or WINS server settings are invalid.	Check that the DNS and WINS server settings are correct.
3	The DNS server or WINS server is not functioning normally, or there is an error with the DNS or WINS server network connection.	Ping the DNS and WINS servers to check they are functioning normally. If the DNS or WINS server is not functioning, request the network administrator to check its status.

■ Failure to Connect to the Scanner using a Web Browser

If the login screen does not appear after the scanner's URL is specified in the web browser, try the following steps:

No.	Problem	Action
1	Same as in "Failure to Connect to a Remote Computer using its IP Address" (page 17).	Check if a network connection is possible by trying the same solution for "Failure to Connect to a Remote Computer using its IP Address" (page 17).

No.	Problem	Action
2	The DNS server or WINS server is not functioning normally, or the scanner name has not been registered in the DHCP or WINS server.	For the URL in the web browser, use the following IP address to check the connection. Example: http://192.168.1.200/ If it is possible to connect the scanner from the web with a specified IP address, specify the scanner's IP address in the DNS or WINS server. Also, check the DNS or WINS server settings on the web browser terminal.
3	A misconfigured firewall between the web browser and the scanner is denying access.	If there is a firewall between the computer running the web browser and the scanner, check that it settings are not preventing access.

4	In Microsoft® Internet Explorer, in the "Tools" menu, "Internet Options", [Security] tab, the security level for the corresponding zone is set as "high", or in [Custom Level], "Scripting", "Active Scripting" is set to "Prompt" or "Disable".	If the URL includes a scanner name, the scanner will be connected using an Intranet Zone. If the URL includes an IP address, the scanner will be connected using the Internet Zone.
		In Microsoft® Internet Explorer, in the "Tools" menu, "Internet Options", try the following settings for the corresponding zone.
		• To enable "Active Scripting", set in one of the following ways:
		  • In the [Security] tab, set the required "Security level for this zone" to "Medium".
		  • In the [Security] tab, click the [Custom Level] button. Then, set the "Scripting", "Active Scripting" to "Enable".
		• If connecting via the Internet zone, on the [Privacy] tab, set the level to below "Medium High".
		After the above settings have been performed, in "Temporary Internet Files", press the [Delete Cookies] button to delete all temporary internet files.

■ Problems when Connecting to the Scanner using a Web Browser

If, when connecting to the scanner via a web browser the "Scripts are usually safe. Do you want to allow scripts to run?" message appears, or if, when connecting to the scanner via a web browser, the "Login" screen appears but the buttons can not be selected, try the following steps:

No.	Problem	Action

1	In Microsoft® Internet Explorer, in the "Tools" menu, "Internet Options", [Security] tab, the security level for the corresponding zone is set as "high", or in [Custom Level], "Scripting", "Active Scripting" is set to "Prompt" or "Disable".	If the URL includes a scanner name, the scanner will be connected using an Intranet Zone. If the URL includes an IP address, the scanner will be connected using the Internet Zone.
		In Microsoft® Internet Explorer, in the "Tools" menu, "Internet Options", try the following settings for the corresponding zone.
		• To enable "Active Scripting", set in one of the following ways:
		  • In the [Security] tab, set the required "Security level for this zone" to "Medium".
		  • In the [Security] tab, click the [Custom Level] button. Then, set the "Scripting", "Active Scripting" to "Enable".
		• If connecting via the Internet zone, on the [Privacy] tab, set the level to below "Medium High".
		• After the above settings have been performed, in "Temporary Internet Files", press the [Delete Cookies] button to delete all temporary internet files.

Appendix E Troubleshooting

Problem	Check Item	Suggestion
Scanner cannot be turned on.	Has the Startup button been pressed?	Press the Startup button.
	Are the AC cable and AC adapter properly connected to the scanner?	Connect the AC cable and the AC adapter.
		Disconnect the AC cable from the scanner, wait at least ten seconds, then reattach the cable and turn the power back on again. If the problem persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
Scanning does not start.	Has the document been loaded correctly into the ADF paper chute?	Reload the documents into the ADF paper chute.
	Is the ADF completely closed?	Close the top cover completely.
	Does the same problem occur after turning the scanner power off and back on again, and re-logging in?	If the error status persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
Multifeed errors occur frequently.	Do the documents satisfy the required quality conditions?	Use documents which satisfy the quality conditions. For more details, refer to "Network Scanner fi-6000NS Operator's Guide".
	Has the document been loaded correctly into the ADF paper chute?	Riffle and realign the document stack, then load it back into the ADF paper chute.
	Is the document stack more than 5 mm thick?	Remove sheets from the stack to reduce it to a thickness of 5mm or less.
	Is the pad assembly dirty?	Clean the pad assembly. For more details, refer to "Network Scanner fi-6000NS Operator's Guide".
	Is the pad assembly worn out?	Replace the pad assembly. For more details, refer to "Network Scanner fi-6000NS Operator's Guide".
Paper is not fed into the scanner. (Pick errors are frequent or document feed stops midway)	Do the documents satisfy the required quality conditions?	Use documents which satisfy the quality conditions. For more details, refer to "Network Scanner fi-6000NS Operator's Guide".
	Is the pick roller dirty?	Clean the pick roller. For more details, refer to "Network Scanner fi-6000NS Operator's Guide".
	Is the pick roller worn out?	Replace the pick roller. For more details, refer to "Network Scanner fi-6000NS Operator's Guide".
	Is there any foreign matter in the document feed path?	Clean the document feed path.
Scanned data is elongated.	Are the feed rollers dirty?	Clean the feed rollers. For more details, refer to "Network Scanner fi-6000NS Operator's Guide".
Shadow on the leading edge of the scanned data.	Are the feed rollers dirty?	Clean the feed rollers. For more details, refer to "Network Scanner fi-6000NS Operator's Guide".
Vertical line on the scanned data.	Are the glass scanner windows dirty?	Clean the glass scanner windows. For more details, refer to "Network Scanner fi-6000NS Operator's Guide".
Scanned data appears skewed or distorted.	Has the document been loaded correctly?	Load the document correctly.
Quality of scanned data is poor.	Are the glass scanner windows dirty?	Clean the glass scanner windows.

Network Scanner fi-6000NS

Getting Started

P3PC-1862-01EN

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